NWQI GRTS 319 funding methodology

GRTS Planning projects were pulled and filtered for the following parameters:

- FY15 NWQI Watersheds + monitoring watersheds
- Projects filtered for fiscal year 2014
- Category of Pollution (Primary): Set to Agriculture, All Sources, AFOs, Hydromodification, Land Disposal/Storage/Treatment, Other NPS Pollution, Silviculture
- Category of Pollution (Secondary): Set NOT to equal Dredging, Groundwater Withdrawal, Hazardous Waste, Inappropriate Waste Disposal, Industrial Land Management, Landfills, Other Habitat Modification, and Upstream Impoundment

GRTS Implementation projects were pulled and filtered for the following parameters:

- FY15 NWQI Watersheds + monitoring watersheds
- Projects filtered for fiscal year 2014
- "Has Environmental Results": YES (This means the project is an implementation project)
- Category of Pollution (Primary): Set to Agriculture, All Sources, AFOs, Hydromodification, Land Disposal/Storage/Treatment, Other NPS Pollution, Silviculture
- Category of Pollution (Secondary): Set NOT to equal Dredging, Groundwater Withdrawal, Hazardous Waste, Inappropriate Waste Disposal, Industrial Land Management, Landfills, Other Habitat Modification, and Upstream Impoundment
- Pollutant Type (Nutrients): Algal Growth/Chlorophyll, Ammonia, Biochemical Oxygen Demand (BOD), Dissolved Oxygen (Low), Nitrate, Nitrogen, Nutrients, Pathogens (Coliform), Pathogens (E Coli), Pathogens (other), Phosphorus, Plants (Noxious Aquatic), Sedimentation-Siltation, Suspended Solids, Temperature, Total Kjeldahl Nitrogen, Turbidity, Bacteria, Fecal Coliform, Phosphate

The following steps were used to calculate estimated 319(h) federal funds and state match funds* per NWQI watershed for each GRTS implementation and planning project pulled based on the filters above:

- Determine the proportion of 319(h) federal implementation/planning funds and state match funds going towards NWQI watershed(s)
    - Calculate total number of HUC 12s and number of NWQI HUC 12s in the project
    - Divide the number of NWQI HUC 12s by total number of HUC 12s in the project to calculate the NWQI proportion
    - Multiply the NWQI proportion by total 319(h) federal funds or state match funds to estimate NWQI funds
    - Divide NWQI funds by number of NWQI watersheds to determine the estimated NWQI funds per NWQI watershed
*Please note that prior to FY14, state match funds were not required in GRTS.